

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:16:46 ON 28 DEC 2005

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:16:59 ON 28 DEC 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 27 DEC 2005 HIGHEST RN 870676-46-3

DICTIONARY FILE UPDATES: 27 DEC 2005 HIGHEST RN 870676-46-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

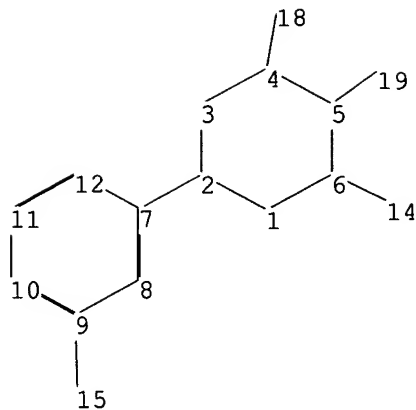
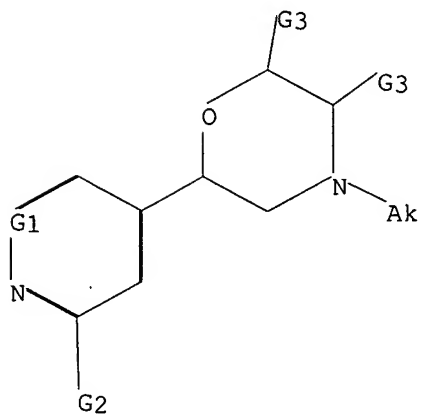
Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10727168clm17.str



chain nodes :

14 15 18 19

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

2-7 4-18 5-19 6-14 9-15

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 4-5 4-18 5-6 5-19 6-14 7-8 7-12 8-9 9-10 9-15 10-11 11-12

G1:C,N

G2:H,F,OH,CN,CHO

G3:H,Ak

Match level :

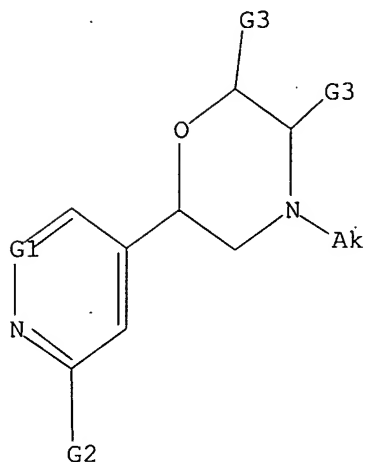
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom  
12:Atom 14:CLASS 15:CLASS 18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 C, N

G2 H, F, OH, CN, CHO

G3 H, Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:17:39 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 148 TO ITERATE

100.0% PROCESSED 148 ITERATIONS 2 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2231 TO 3689  
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 14:17:43 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 3043 TO ITERATE

100.0% PROCESSED 3043 ITERATIONS 13 ANSWERS  
SEARCH TIME: 00.00.01

L3 13 SEA SSS FUL L1

=> fil hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	161.33	161.54

FILE 'HCAPLUS' ENTERED AT 14:17:52 ON 28 DEC 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE COVERS 1907 - 28 Dec 2005 VOL 144 ISS 1  
FILE LAST UPDATED: 27 Dec 2005 (20051227/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 2 L3

=> d ed abs ibib hitstr 1-2

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

ED Entered STN: 05 Jan 2004

AB The rapid evaluation of enantiomeric excess in the high-throughput screening of libraries has been a hurdle to the discovery of effective catalysts. A blue-fluorescent monoclonal antibody (mAb) addresses this problem; mAb 19G2 is used as a fluorescent sensor to evaluate a prepared panel of cinchona alkaloid derivs. in the synthesis of asym. amino acids by phase-transfer catalysis.

ACCESSION NUMBER: 2004:4113 HCAPLUS

DOCUMENT NUMBER: 140:199488

TITLE: High-throughput screening by using a blue-fluorescent antibody sensor

AUTHOR(S): Matsushita, Masayuki; Yoshida, Kazuhiro; Yamamoto, Noboru; Wirsching, Peter; Lerner, Richard A.; Janda, Kim D.

CORPORATE SOURCE: Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA

SOURCE: Angewandte Chemie, International Edition (2003), 42(48), 5984-5987

CODEN: ACIEF5; ISSN: 1433-7851

PUBLISHER: Wiley-VCH Verlag GmbH &amp; Co. KGaA

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 661453-82-3P 661453-83-4P 661453-84-5P

661453-85-6P 661453-86-7P 661453-87-8P

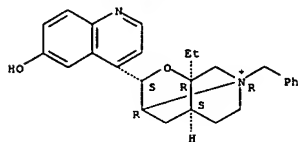
RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);

USES (Uses) (preparation of Cinchona alkaloids as phase-transfer catalysts for the asym. synthesis of amino acids)

RN 661453-82-3 HCAPLUS

CN Cinchonanium, 3,9-epoxy-10,11-dihydro-6'-hydroxy-1-(phenylmethyl)-, bromide, (3a,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

● Br<sup>-</sup>

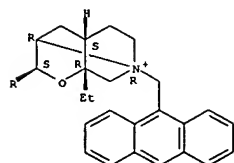
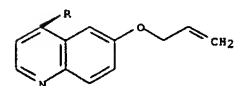
RN 661453-83-4 HCAPLUS

CN Cinchonanium, 3,9-epoxy-10,11-dihydro-1-(phenylmethyl)-6'-(2-propenyloxy)-, bromide, (3a,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

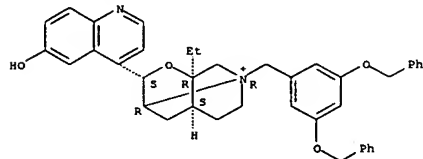
(Continued)

● Br<sup>-</sup>

RN 661453-86-7 HCAPLUS

CN Cinchonanium, 1-[[3,5-bis(phenylmethoxy)phenyl]methyl]-3,9-epoxy-10,11-dihydro-6'-hydroxy-, bromide, (3a,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

● Br<sup>-</sup>

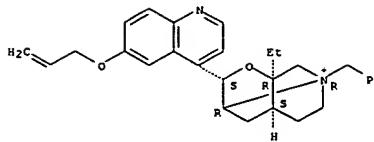
RN 661453-87-8 HCAPLUS

CN Cinchonanium, 1-[[3,5-bis(phenylmethoxy)phenyl]methyl]-3,9-epoxy-10,11-dihydro-6'-(2-propenyloxy)-, bromide, (3a,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

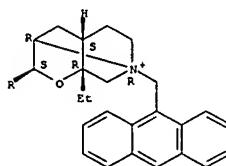
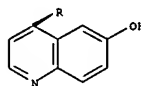
(Continued)

● Br<sup>-</sup>

RN 661453-84-5 HCAPLUS

CN Cinchonanium, 1-(9-anthracenylmethyl)-10,11-dihydro-3,9-epoxy-6'-hydroxy-, chloride, (3a,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

● Cl<sup>-</sup>

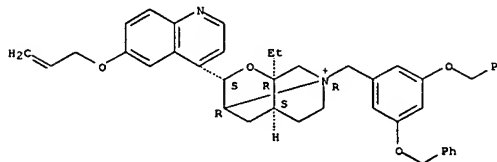
RN 661453-85-6 HCAPLUS

CN Cinchonanium, 1-(9-anthracenylmethyl)-10,11-dihydro-3,9-epoxy-6'-(2-propenyloxy)-, bromide, (3a,9S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

(Continued)

● Br<sup>-</sup>

REFERENCE COUNT:

6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN  
ED Entered STN: 12 May 1990  
GI For diagram(s), see printed CA Issue.  
AB The title compds. [I; R1 = (halo-, CF3-, or alkyl-substituted) heteroaryl;  
R2 = H, OH; R3 = OH, CO2H, alkoxycarbonyl, carbamoyl, (substituted)  
alkoxy, vinyl; A = (Me- or Et-substituted) C2-3 alkylene; X = bond, O; n =  
0, 1], useful as platelet aggregation inhibitors, antidiabetics,  
antiobesity agents, antihyperlipoproteinemics, and anabolic agents, were  
prepared. Thus, 2-(6-chloropyridin-2-yl)morpholine and 1-(4-  
carbomethoxymethoxyphenyl)propan-2-one in MeOH were stirred with HOAc and  
NaBH3CN to give 84% II. II at 0.3 mg/kg orally in mice reduced blood  
glucose by 50% and increased blood glycerin by 262%. Numerous  
formulations of I were given.

ACCESSION NUMBER: 1990:178999 HCAPLUS  
DOCUMENT NUMBER: 112:178999  
TITLE: Morpholines and morpholine N-oxides, medicines  
containing these compounds and process for their  
preparation  
INVENTOR(S): Reiffen, Manfred; Mark, Michael; Sauter, Robert;  
Grell, Wolfgang  
PATENT ASSIGNEE(S): Thomae, Dr. Karl, G.m.b.H., Fed. Rep. Ger.  
SOURCE: Eur. Pat. Appl., 28 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 334146	A1	19890927	EP 1989-104376	19890313
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DE 3809775	A1	19891005	DE 1988-3809775	19880323
JP 01299287	A2	19891204	JP 1989-70300	19890322
US 5026702	A	19910625	US 1989-327665	19890323
PRIORITY APPLN. INFO.:			DE 1988-3809775	A 19880323

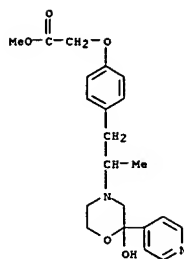
OTHER SOURCE(S): CASREACT 112:178999; MARPAT 112:178999

IT 126325-31-3P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);  
BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of, as drug)

RN 126325-31-3 HCAPLUS

CN Acetic acid, [4-[2-[2-hydroxy-2-(4-pyridinyl)-4-  
morpholinyl]propyl]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN (Continued)



=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

12.33

173.87

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.46

-1.46

FILE 'REGISTRY' ENTERED AT 14:18:15 ON 28 DEC 2005

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STRUCTURE FILE UPDATES: 27 DEC 2005 HIGHEST RN 870676-46-3

DICTIONARY FILE UPDATES: 27 DEC 2005 HIGHEST RN 870676-46-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

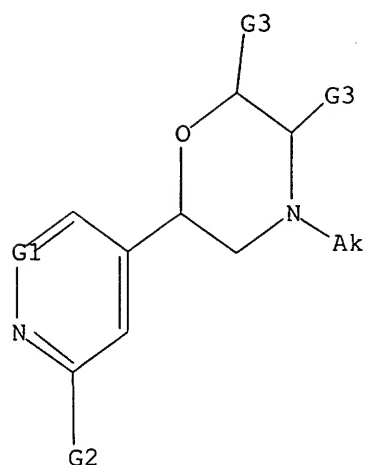
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C, N

G2 H, F, OH, CN, CHO

G3 H, Ak

Structure attributes must be viewed using STN Express query preparation.

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.43

174.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-1.46

STN INTERNATIONAL LOGOFF AT 14:18:23 ON 28 DEC 2005